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NOTICE OF ALLOWANCE AND FEE(S) DUE

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02/23/2010

NXP, B.V. NXP INTELLECTUAL PROPERTY & LICENSING M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131 EXAMINER

FAHERTY, COREY S

ART UNIT PAPER NUMBER

2183

DATE MAILED: 02/23/2010

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	10/583,052	06/14/2006	Peter Dytrych	NL03 1445 US1	8831

TITLE OF INVENTION: MEMORY-EFFICIENT INSTRUCTION PROCESSING SCHEME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/24/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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NXP, B.V. NXP INTELLE M/S41-SJ	CTUAL PROPERT	I he Stat addı tran	reby certify that thes Postal Service v	is Fee(s) Transmittal is being	g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.	
1109 MCKAY I			Г				(Depositor's name)
SAN JOSE, CA	95151						(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTC	PRNEY DOCKET NO.	CONFIRMATION NO.
10/583,052	06/14/2006		Peter Dytrych	NL03 1445 US1		NL03 1445 US1	8831
TITLE OF INVENTION	I: MEMORY-EFFICIEN	T INSTRUCTION PRO	CESSING SCHEME				
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	05/24/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS				
FAHERTY	, COREY S	2183	712-220000				
☐ "Fee Address" ind	oondence address (or Cha B/122) attached. lication (or "Fee Address D2 or more recent) attach	or agents OR, alternation (2) the name of a single registered attorney or a 2 registered patent attorney.	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co	orporat	ion or other private gro	oup entity Government
4a. The following fee(s)	are submitted:	41	b. Payment of Fee(s): (Plea	se first reapply ar	ıy prev	viously paid issue fee	shown above)
☐ Issue Fee☐ Publication Fee (No small entity discount permitted)			☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.				
Advance Order - # of Copies			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Sta	,	· · · · · · · · · · · · · · · · · · ·	_				
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NOTE: The Issue Fee an interest as shown by the	records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than to Office.	he applicant; a regi	stered	attorney or agent; or th	ne assignee or other party in
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Typed or printed name			Registration No				
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65913 75	90 02/23/2010		EXAM	INER
NXP, B.V.		FAHERTY, COREY S		
	UAL PROPERTY & I	ART UNIT	PAPER NUMBER	
M/S41-SJ 1109 MCKAY DR SAN JOSE, CA 95		2183 DATE MAILED: 02/23/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 44 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 44 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/583,052	DYTRYCH, PETER			
Notice of Allowability	Examiner	Art Unit			
	Corey Faherty	2183			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS			
1. This communication is responsive to the reply filed on 12/3	<u>0/2010</u> .				
2. The allowed claim(s) is/are <u>1-3,6-10 and 12-17</u> .					
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached					
1) hereto or 2) to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).					
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 					
Attachment(s)	E Netter of lateracel E	Delegal Appellantian			
1. Notice of References Cited (PTO-892)	5. Notice of Informal F	• •			
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 	6.	te			
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	_	ent of Reasons for Allowance			
of Biological Material	9. ☐ Other				
	/Eddie P Chan/				
	Supervisory Patent Ex	aminer, Art Unit 2183			

Application/Control Number: 10/583,052 Page 2

Art Unit: 2183

DETAILED ACTION

1. This office action is in response to the reply filed on 12/30/2009.

- 2. Claims 1-3, 6-10 and 12-17 are pending in the application and have been examined.
- 3. For purposes of examination, the "computer readable storage medium" of claim 13 will be interpreted to include only non-transmission type media. This interpretation appears to be consistent with the specification at page 10, lines 7-9.

Allowable Subject Matter

- 4. Claims 1-3, 6-10 and 12-17 are allowed. Independent claim 1 recites the limitation "an instruction processor arranged to process a first individual instruction extracted from a first instruction word, and at least a second individual instruction extracted from at least a subsequent second instruction word, as a new single instruction word, the instruction processor further arranged to add predetermined control information to said single instruction word, said control information indicating an allocation of said extracted first and at least second individual instructions to said respective functional units and a sequential order of said first and at least second individual instructions at their respective functional units".
- 5. The examiner's rejections have relied on the fact that the claim requires only that one instruction be sent to each functional unit, and thus an indication of a "sequential order" would be inherent in the prior art (because there is only one possible sequential order for a group of one). In response to this position, applicant argued in the appeal brief submitted on 12/30/2009 that, because the claim requires an indication of a sequential order, the claim implicitly requires that there be multiple instructions executed at each functional unit. Using this interpretation, the

Art Unit: 2183

claim implicitly requires at least two instructions at a first functional unit and at least two instructions at a second functional unit (which in turn requires that the instruction word contains at least four instructions). Applicant is correct in stating that, using this interpretation of the claim language, the prior art does not teach the claim. The claim is therefore allowable based on this interpretation. Independent claim 12 recites the same subject matter and is therefore also allowable.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Corey Faherty whose telephone number is (571)270-1319. The examiner can normally be reached on weekdays between 7:00 and 4:30, with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Chan can be reached on (571) 272 4162. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/583,052 Page 4

Art Unit: 2183

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eddie P Chan/ Supervisory Patent Examiner, Art Unit 2183 /Corey Faherty/ Examiner, Art Unit 2183